



# BAS Router

## BACnet Multi-network Router

### BACnet Protocol Implementation Conformance Statement (Annex A)

**Date:** 17 February 2012  
**Vendor Name:** Contemporary Controls  
**Product Name:** BAS Router  
**Product Model Number:** BASRT-B  
**Applications Software Version:**      **Firmware Revision:** 2.6      **BACnet Protocol Revision:** 2  
**Product Description:** Device to route between BACnet/IP, ISO 8802-3 and MS/TP networks.

- BACnet Standardized Device Profile (Annex L):**
- BACnet Operator Workstation (B-OWS)
  - BACnet Building Controller (B-BC)
  - BACnet Advanced Application Controller (B-AAC)
  - BACnet Application Specific Controller (B-ASC)
  - BACnet Smart Sensor (B-SS)
  - BACnet Smart Actuator (B-SA)

**List all BACnet Interoperability Building Block Supported (Annex K):**  
 DS-RP-B Data Sharing — ReadProperty – B      DM-DDB-B Device Management — Dynamic Device Binding – B  
 NM-RC-B Network Management — Router Configuration – B

**Segmentation Capability:**

- Able to transmit segmented messages      Window Size:
- Able to receive segmented messages      Window Size:

**Standard Object Types Supported:**

Object Type Supported	Can Be Created Dynamically	Can Be Deleted Dynamically
Device	No	No

No optional properties are supported. **NOTE:** The above object is directed supported on the router. The router will pass to the appropriate network all BACnet communications not directed to the router.

**Data Link Layer Options:**

- BACnet IP, (Annex J)
- BACnet IP, (Annex J), Foreign Device
- ISO 8802-3, Ethernet (Clause 7)
- ANSI/ATA 878.1, EIA-485 ARCNET (Clause 8), baud rate(s):
- MS/TP master (Clause 9), baud rate(s): 9600; 19,200; 38,400; 76,800
- MS/TP slave (Clause 9), baud rate(s):
- Point-To-Point, EIA 232 (Clause 10), baud rate(s):
- Point-To-Point, modem, (Clause 10), baud rate(s):
- LonTalk, (Clause 11, medium:
- Other:

**Device Address Binding:**

Is static device binding supported? (This is currently necessary for two-way communication with MS/TP slaves and certain other devices.)  Yes       No

**Networking Options:**

- Router, Clause 6 — routing between BACnet/IP, ISO 8802-3, and MS/TP
- Annex H, BACnet Tunnelling Router over IP
- BACnet/IP Broadcast Management Device (BBMD)  
 Does the BBMD support registrations by Foreign Devices?       Yes       No

**Character Sets Supported:**

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

- ANSI X3.4
- IBM™/Microsoft™ DBCS
- ISO 8859-1
- ISO 10646 (UCS-2)
- ISO 10646 (UCS-4)
- JIS C 6226

**If this product is a communication gateway, describe the types of non-BACnet equipment/network(s) that the gateway supports:**  
 No gateway support.